



Look ahead!

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Look ahead!

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*“In life there are many different roads,
but only one goes straight up.”*

It could all be so easy ...

To be honest, we like it the best when everything is really easy – especially when it doesn't look like it's going to be. You could explain our philosophy as simply as this – if you like it easy like we do.

When it comes down to it though, things are only easy when everything works as it should, when everything is thoroughly thought through, when the quality is top and when all partners think and act like partners.

When we introduce ourselves to you today as SWF, we do so as a highly successful company with highly successful products and partners around the world.

This of course is no coincidence, but rather the result of years of hard work, consequent development, the highest quality demands and optimum cooperation with the best and most experienced specialists worldwide.

Today, products from SWF are used in areas where top performance and top quality are demanded. Performance and quality that today's companies need in order to be successful and dependable.



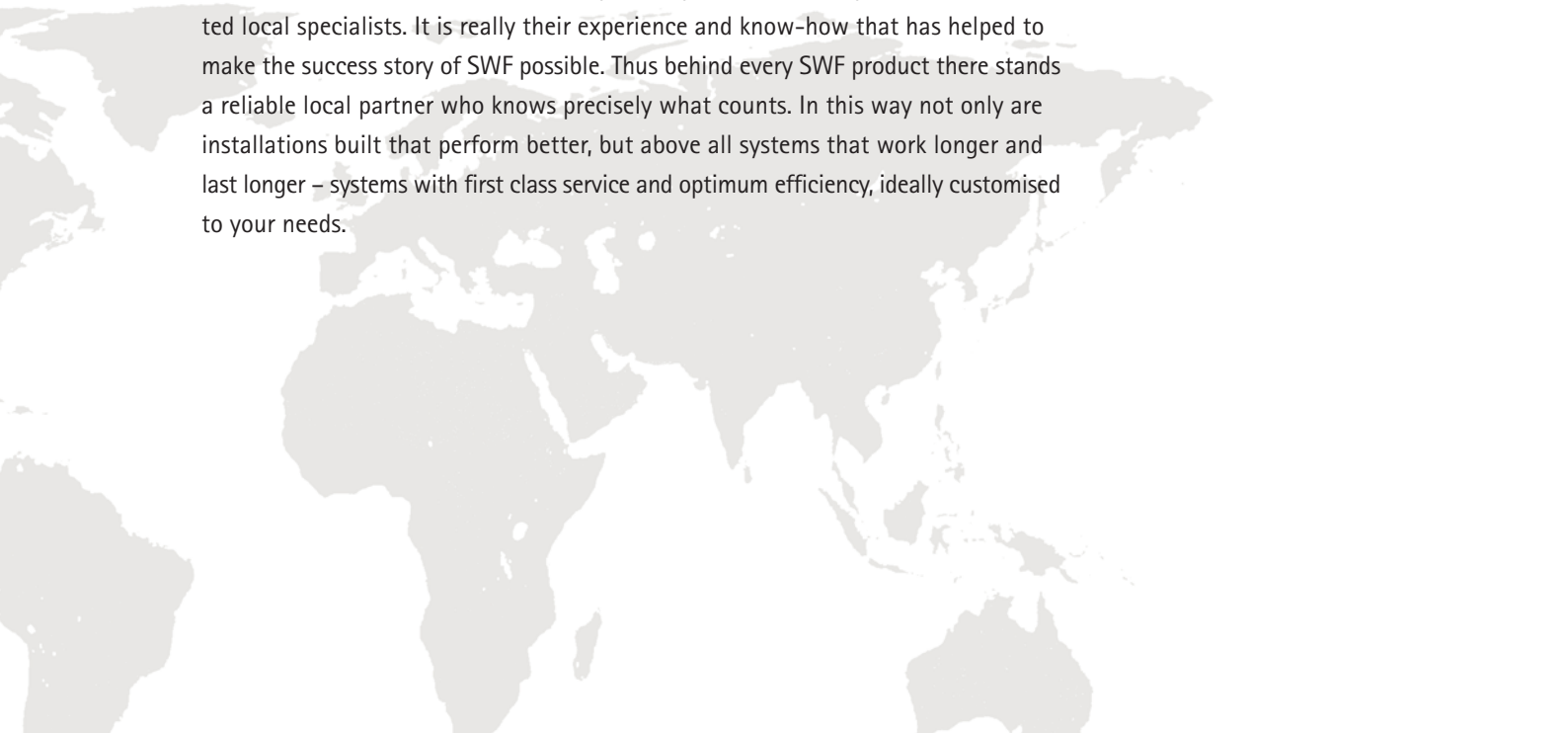
Look ahead!

A close-up photograph of a hand holding a large, dark metal gear and a shaft. The hand is positioned as if about to engage the gear. The background is a soft, out-of-focus blue and white. The overall image conveys a sense of precision, industry, and forward-looking technology.

05

That's why today's most successful companies around the world choose products from SWF. They do this because our components perform better, offer more and can do more than the average products on the market.

Yet the final construction is not actually built by us, but rather by a number of selected local specialists. It is really their experience and know-how that has helped to make the success story of SWF possible. Thus behind every SWF product there stands a reliable local partner who knows precisely what counts. In this way not only are installations built that perform better, but above all systems that work longer and last longer – systems with first class service and optimum efficiency, ideally customised to your needs.

A faint, light-colored world map is visible in the background of the text area, showing the outlines of continents and oceans.

VF
CHNIK

Electric chain hoists for loads
between 125 and 5,000 kg

Electric chain hoist SK



Electric chain hoist SK



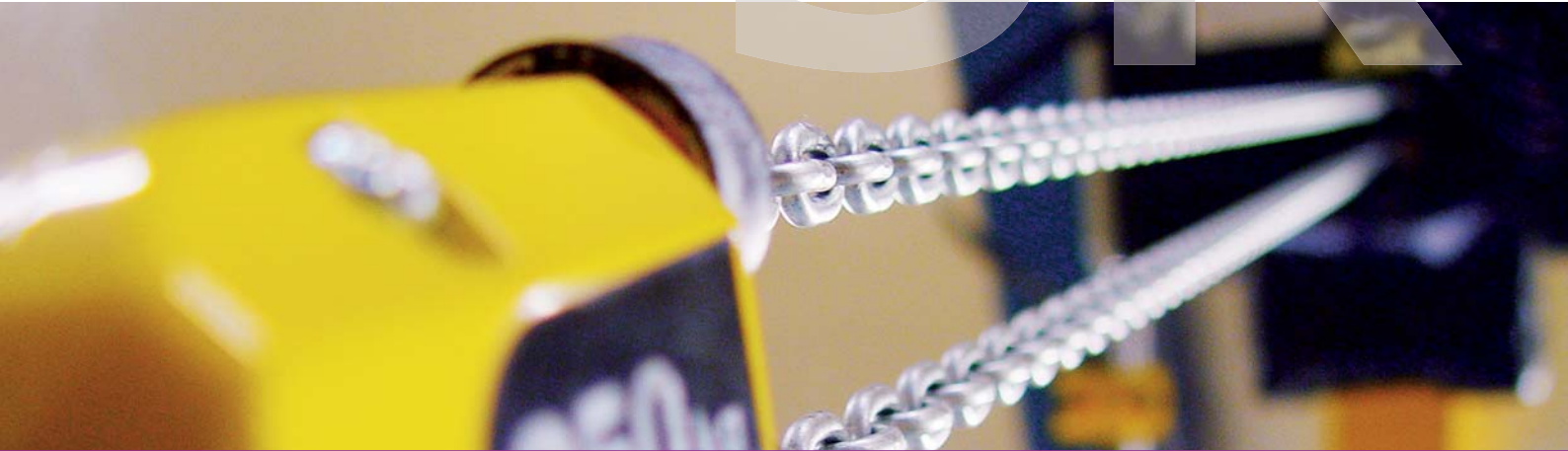
- **Optimum use of space**
Compact design and optimum approach dimensions
- **High operational reliability**
Emergency stop button, 48 V contactor control, drop stop safety
- **Gentle operation**
Upper and lower limit switch, variable stepless load travelling via frequency inverter
- **Reduced maintenance costs**
Robust industrial design, standardised product groups, easy accessibility

Advantage: Efficient and economical usage with the highest quality

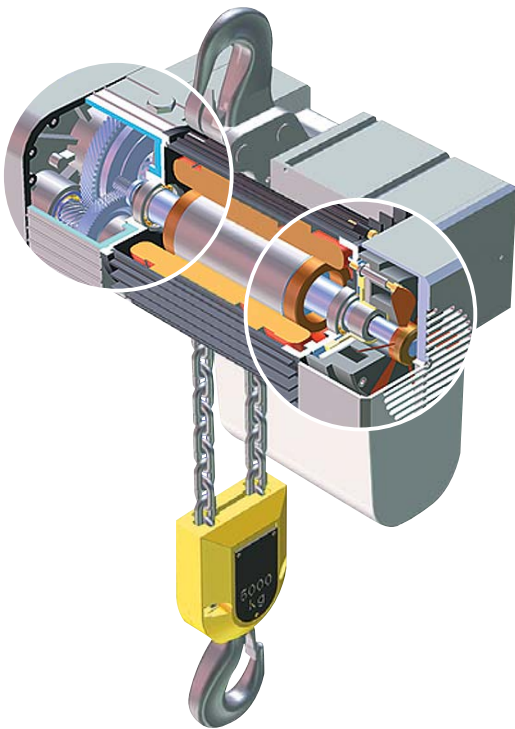
Flexible, powerful and compact.

In our SK series, we have packed high-performance motors into a compact design. The extremely sturdy construction guarantees long service life, reliable operation and low wear, maintenance and service costs. The drive system with variable speed control reduces load sway and allows for the careful handling of the load. Noise levels are reduced thanks to the smooth and silent running of the trolley. The SK series is equipped with a low-voltage control system and complies with all relevant safety requirements for modern lifting gear. These high quality chain hoists are particularly suitable for a wide range of special applications.

SK electric chain hoists can be customised to suit your particular needs. We offer a wide range of accessories and optional equipment ...



Electric chain hoist SK



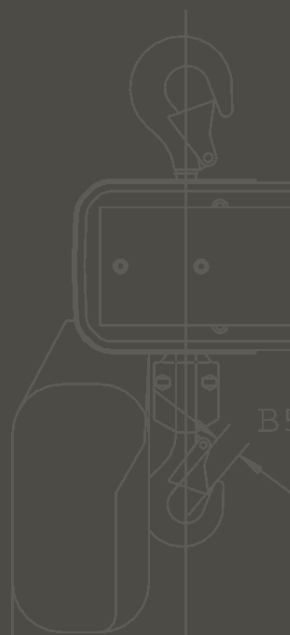
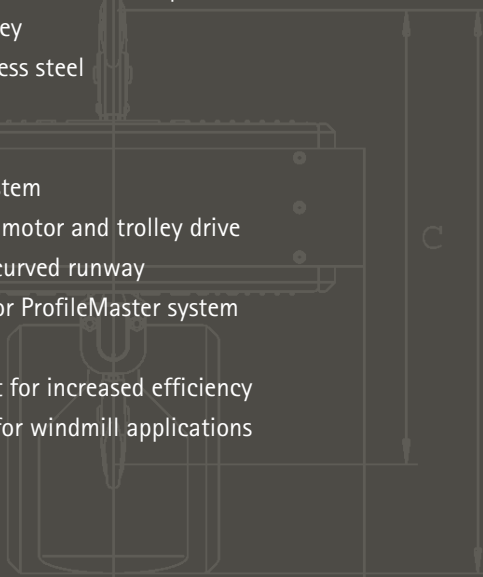
Standard equipment:

- Stationary hoist with hook suspension
- 2 lifting speeds (4/1), optionally with frequency inverter
- Mechanical overload protection
- Top hook
- IP55 protection
- Motor insulation class F
- 48V contactor control
- Fully equipped with drive controls (with exception of SKalpha)
- IP65 control pendant with plug adapter and EMERGENCY-STOP
- Drive operation with frequency inverter, 2-speed or variable
- Suitable for ambient temperatures of between -20 °C and +40 °C
- Single girder trolley equipped with drop stops
- Lifting motor with thermal protection (SKD/E/F standard)
- Upper and lower hoisting limit switch



Options:

- Push travel trolley
- With frequency inverter for stepless hoisting and lowering
- Motor drive system with 2-speed or variable speed control
- Extremely low headroom trolley
- Load chain and hook in stainless steel
- Protective rain covers
- Hours in service meter
- RadioMaster radio control system
- Thermal protection for lifting motor and trolley drive
- Articulated bogey trolley for curved runway
- Push or motor travel trolley for ProfileMaster system
- Explosion proof version
- HandyMaster control pendant for increased efficiency
- With extreme lifting heights for windmill applications
- Versions for the food industry



Electric chain hoist SK



Electric chain hoist SK



For many years now, the nicest and heaviest things have been lifted with SWF electric chain hoists ... That should be no different for you. The new SWF electric chain hoists profit from this experience too.

Find out more:
www.swfkrantechnik.com

SWF





**In 1921 we were
really dissatisfied.**

Good!



Since our establishment we have never accepted a "not possible" attitude.

SWF was founded in 1921 as the "Süddeutsche Waggon-Fabrik". We quickly realised that it would be much more effective to transport the extremely heavy railway components before they were on the rails. As there were no winches available at the time capable of such large capacities, we began to construct our own. Within a few years SWF became the "Süddeutsche Winden und Förderanlagen GmbH".

In fact it's the virtuosity of the German engineers that has helped to define the spirit of SWF and make our products what they are today: Solutions for almost all kinds of material handling.

Of course things did not stop there – in fact just the opposite: over the years SWF products have been continuously developed and further improved. Many of the components which we produce today are considered as exemplary for the whole industry. But also the permanently increasing demands with regard to efficiency have always been met by SWF. As part of the Konecranes group, we produce our products in one of the world's most modern and efficient crane component factories.

NOVA



NOVA

NOVA electric wire rope hoist
for loads up to 80,000 kg



**In the smallest spaces, you will find our best ideas:
NOVA electric wire rope hoist.**

It's no secret that we are really proud of our NOVA wire rope hoist, because as far as wear and tear, hook movement and approach dimensions are concerned it simply leaves the competition standing. Firstly, someone has to come along and produce something which is even slightly comparable, but even then you would not be satisfied with the copy, would you?

Among experts, NOVA electric wire rope hoists enjoy an excellent reputation, due to their outstanding design and the many extras that come as standard. The NOVA hoists also include a wide range of innovative SWF features such as the incredible ratio between the diameters of the rope drum and the load rope, the powerful drive system, minimum load sway and small approach and structural dimensions. The application of technologies that reduce wear of the high-quality materials guarantees an extended service life of the equipment with high functional reliability. See for yourself what NOVA electric wire rope hoists by SWF can do for you. If you are looking for maximum flexibility, the NOVA is the right solution for you.

- **Optimum space usage**

Compact design and optimum approach dimensions

- **Precise operation**

Minimum hook movement, reduced load sway due to variable speed control of the load via the standardised frequency inverter

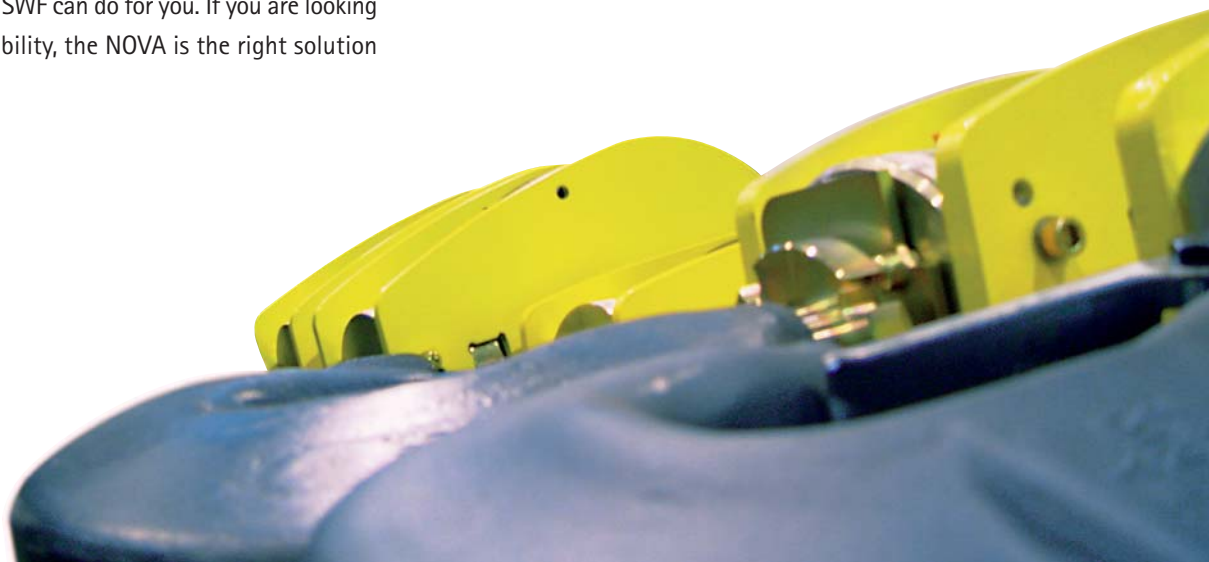
- **Low maintenance costs**

Robust industrial design, standardised model groups

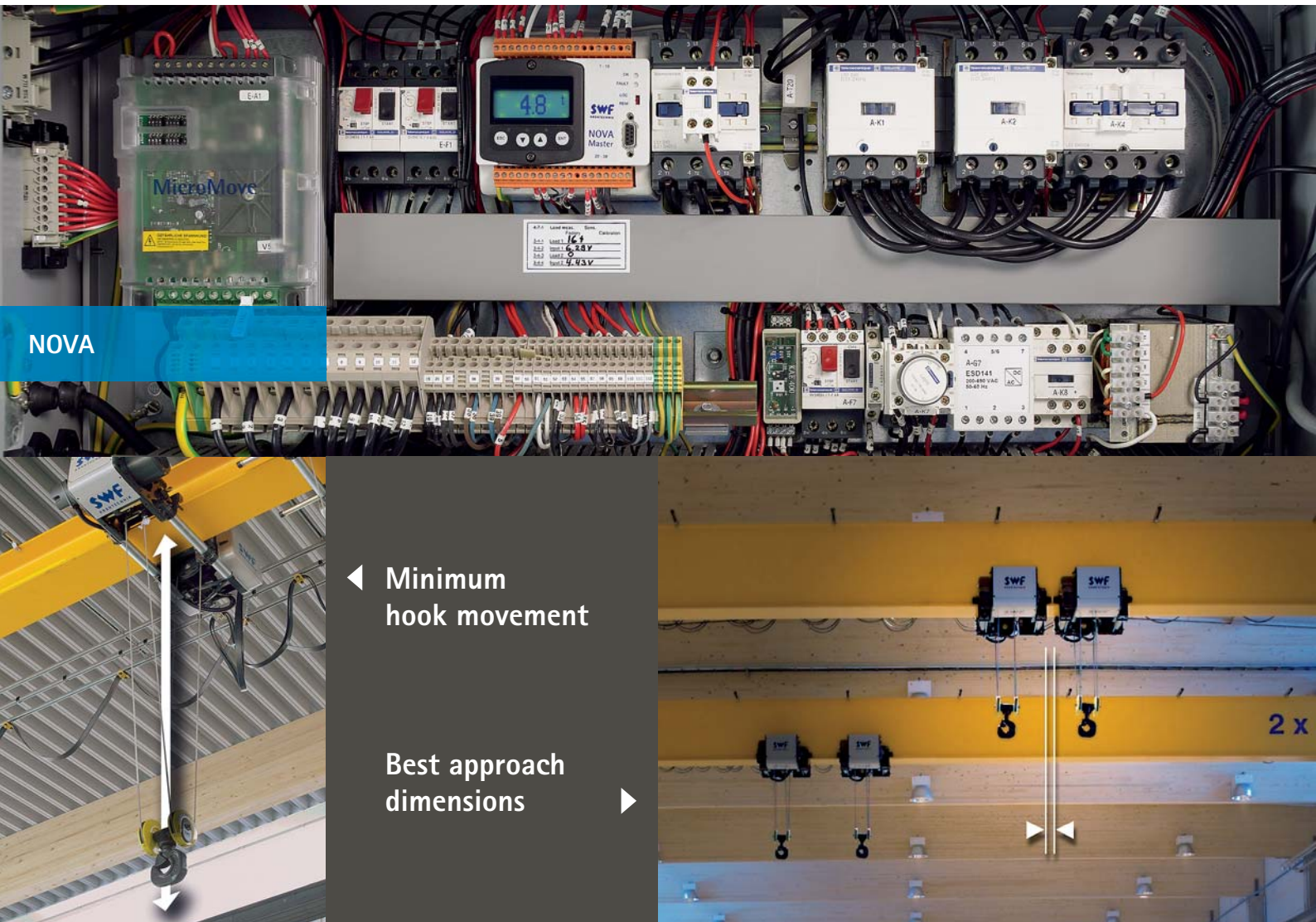
- **Shorter downtimes**

Easy access to the main wear and tear parts, optimum availability of spare parts

Advantage: highest possible efficiency and optimum usage of space



NOVA

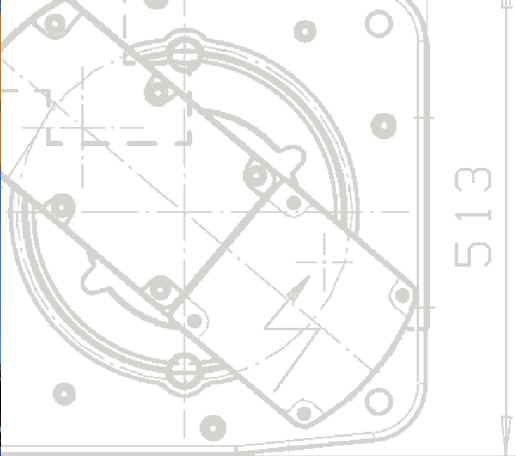


◀ Minimum hook movement

Best approach dimensions ▶

We increased the size of the drum and everything else became smaller.

The distinguishing characteristic of the NOVA electric wire rope hoist is the extremely large rope drum, which has a protective effect on the rope. Very safe and efficient operation is furthermore guaranteed by a number of other standardized features, and all that for only a small investment.



- Minimum hook movement
- Minimum hook dimensions
- Minimum approach dimensions
- Minimum load sway
- Minimum wear and tear
- Low maintenance costs
- Low hoist weight
- Short delivery times
- Low investment
- Stationary as a fixed hoist
- 2-speed hoisting motors (6/1), optionally with frequency inverter
- Mechanical, optionally electronic overload protection
- IP55 protection, optionally IP66
- Motor insulation class F
- 48V contactor control, optionally 115V or 230V
- IP65 control pendant with plug adapter and EMERGENCY-STOP
- Travelling machineries with frequency inverter, 2-speed or variable

- Suitable for ambient temperatures of between $-20\text{ }^{\circ}\text{C}$ and $+40\text{ }^{\circ}\text{C}$
- Lifting motor with thermal protection, optionally available for trolley travelling machineries
- 4-step hoisting limit switch with slow-down function and phase mismatch protection
- High lifting speeds
- Motors up to 56 kW
- Lifting heights up to more than 100 m
- Optional with hoist monitoring system NovaMaster and lifting inverter HoistMaster, also for synchronized use
- Large number of special options, such as: articulated trolley, drum brake, load summation, hoist condition monitoring and much more ...

Of course there are some things that you have to forgo with NOVA: for example load sway and hook movement.

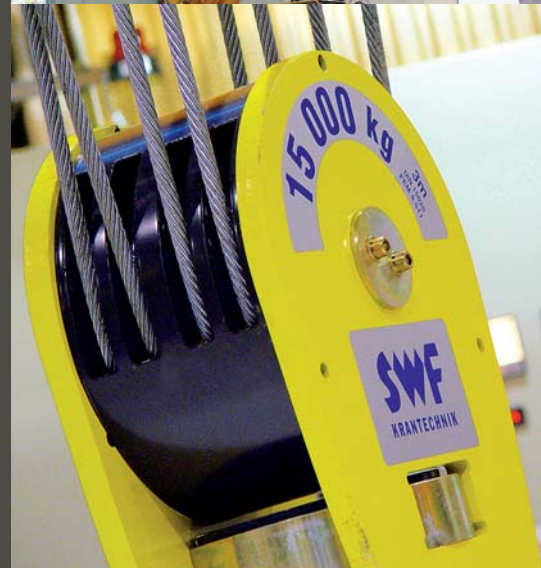
NOVA lifts loads with practically no horizontal hook displacement. Load sway is also prevented and safe operation is guaranteed. At the same time this also has an effect on the overall crane costs, which can be considerably reduced.

NOVA adjusts itself to fit your building.

NOVA offers the very best approach dimensions and the smallest possible design size in the wire rope hoist sector. This contributes to an optimum usage of space and a reduction in building costs.



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NOVA

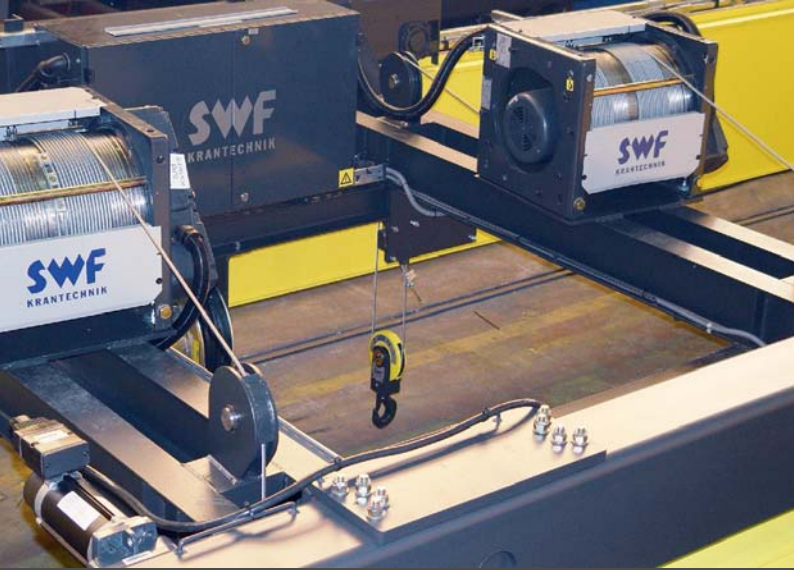
Here you will find technology
that is setting the standard:



NOVA

NOVA solutions are of particular interest to operators requiring top performance, shortest approach dimensions and low headroom. You'll also be surprised by the technical solutions. For example, loads can be lifted with practically no horizontal hook travel, and moved and positioned with the greatest care and with virtually no swaying via the frequency-controlled trolley system MicroMove. The NOVA products have been designed with maintenance in mind, so that all assemblies can be easily accessed and serviced.

- The innovative NOVA design allows for optimised motor cooling even during heavy-duty operation.
- Both the hoisting motor and gear systems can be easily accessed.
- The brakes are designed to match the service life of the hoisting system (SWP according to FEM).
- Oversized toothed wheels in the lifting gear ensures extremely reliable operation.
- The 4-step gear limit switch is located in the terminal box, which is mounted on the gear box and is easily accessible. This includes a protection step which prevents damaging of the hoist in case of phase mismatch.
- Our NOVA systems feature a modular design that fully dispenses with the need for welded parts.
- The dimensions and performance of the NOVA series sets new standards.
- NOVA is a reliable product made from high quality materials.



Wherever you wish to install an electric wire rope hoist:

Have a look at the NOVA specifications first ...

NOVA F

Fixed hoist,
up to 80 t

- For free-standing installations

NOVA M, H, W

Double girder trolley with
medium, high and low
connection, up to 80 t

- Minimum headroom
- Optimised headroom
- Easily accessible electrical components.

NOVA N

Single girder trolley, normal
headroom, up to 40 t

- Ideal for installation at locations with limited lateral space
- Ideal for extreme hoisting heights and heavy loads

NOVA L

Single girder trolley, low
headroom, up to 12,5 t

- Ideal for extremely short headroom applications



Special and

*“Success is often based upon very special
it’s a good job*

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Everything is possible.

The success of many of today's successful companies is based upon their own very special competencies, which are either unique or very, very rare. Therefore with stand-ard solutions, it is seldom possible to meet the demands and requirements of today's markets.

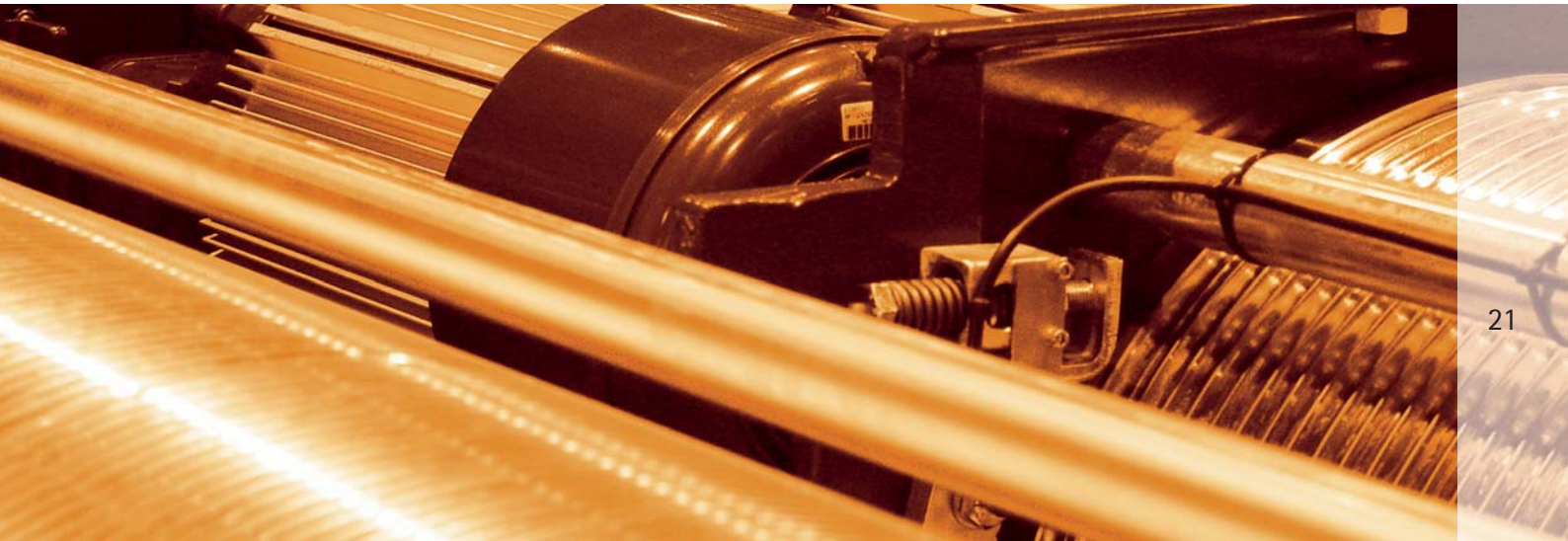
More than 85 years ago SWF grew from the idea of finding solutions for things that did not seem solvable. To this day this has not changed, we have simply become more knowledgeable. "Special" often means special solution, special effort and thus special costs.

For this reason most of our components have been designed to be as flexible and cost effective as possible. This allows us to solve most problems with standard equipment, thus enabling us to reduce any individual develop-ments to a minimum. Not only does this offer economical advantages, it also minimises the number of break-downs, wear and tear and service and maintenance costs.



to the highest standard

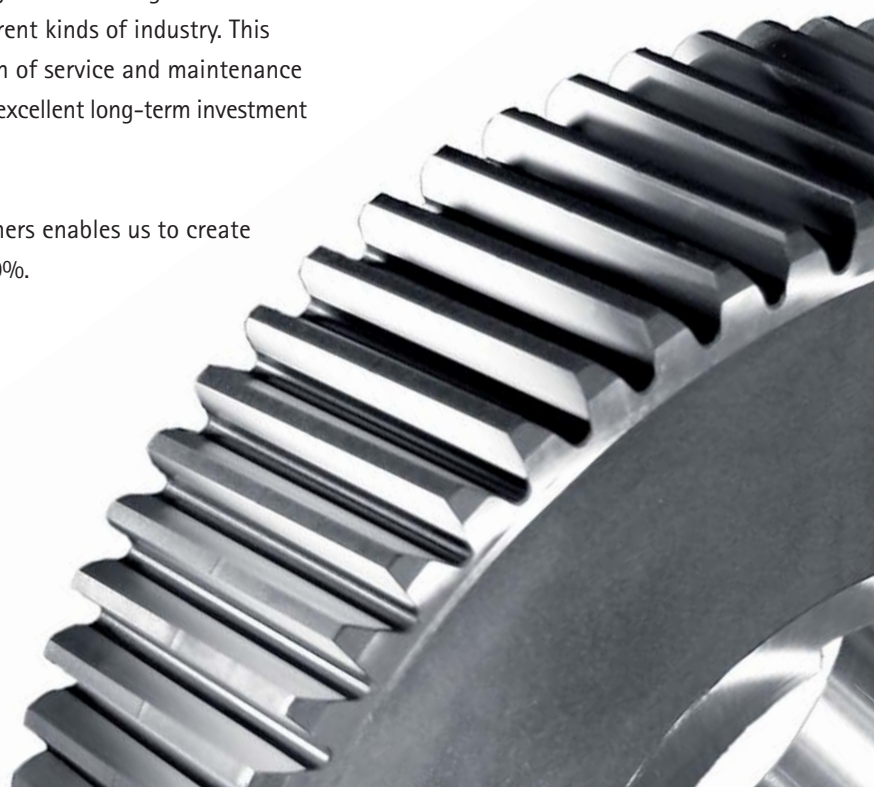
*competencies –
that we are the specialists.”*



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As a leading company in the crane component industry, all of our components have been based around the experience and data gathered through more than 200,000 different types of installations in all different kinds of industry. This valuable experience and the resulting minimization of service and maintenance costs have all gone towards making our products an excellent long-term investment with very low lifecycle costs.

The close working relationship with our local partners enables us to create systems that meet the needs of our customers 100%.





NovaMaster

Electronic hoist monitoring

NovaMaster guarantees excellent safety and a long service life of the lifting gear due to:

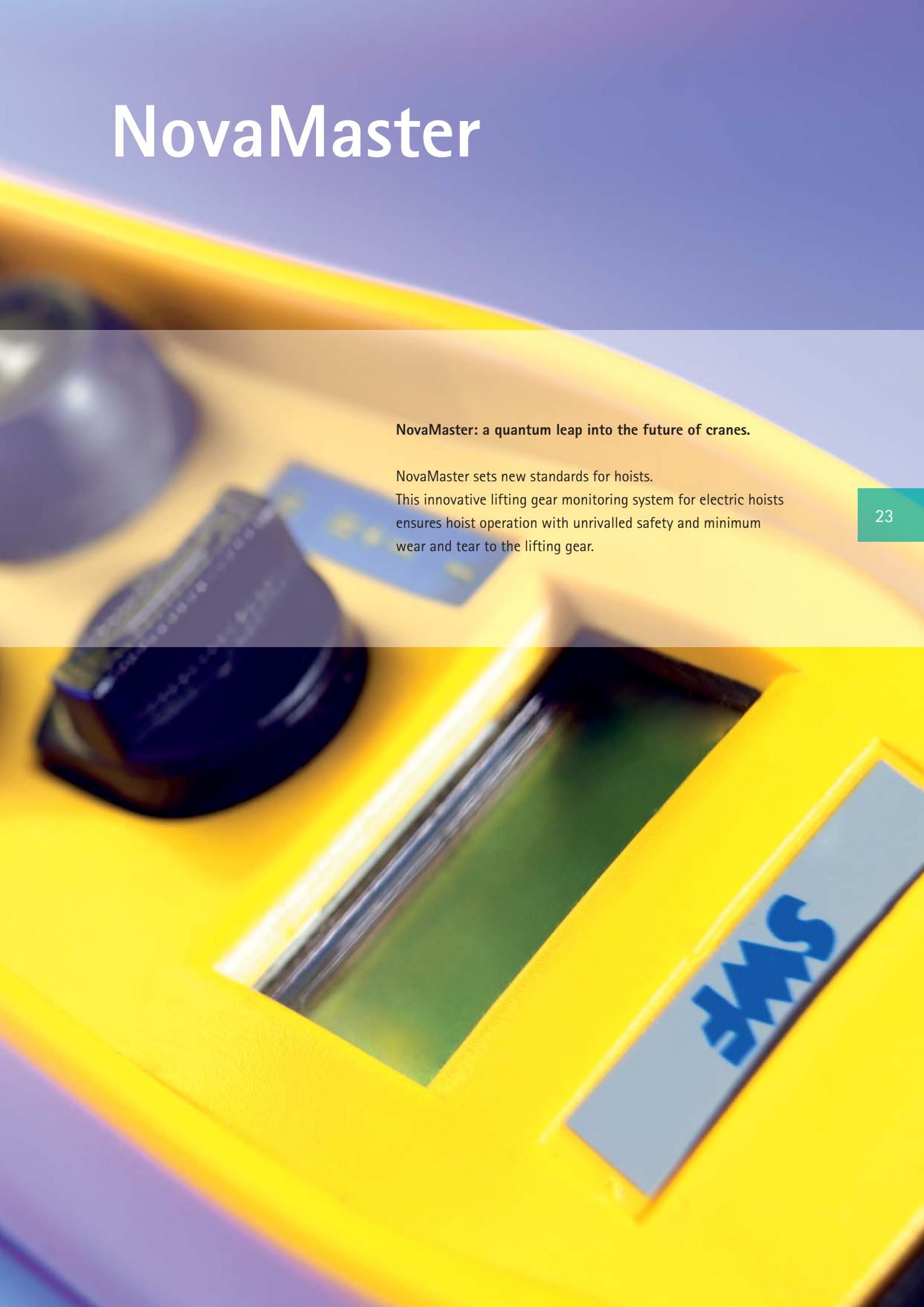
- **Safe usage**
Hoist condition monitoring from floor level via the push button pendant, permanent calculation of the SWP, continuous overload protection
- **Gentle operation**
Smooth starting and stopping of the load
- **Shorter downtimes**
Quick and easy reading of the relevant crane data via a display in the push button pendant
- **Low maintenance costs**
Smooth acceleration and braking protects brakes and motors

Advantage: Crane usage can be simply optimized

NovaMaster

NovaMaster: a quantum leap into the future of cranes.

NovaMaster sets new standards for hoists. This innovative lifting gear monitoring system for electric hoists ensures hoist operation with unrivalled safety and minimum wear and tear to the lifting gear.



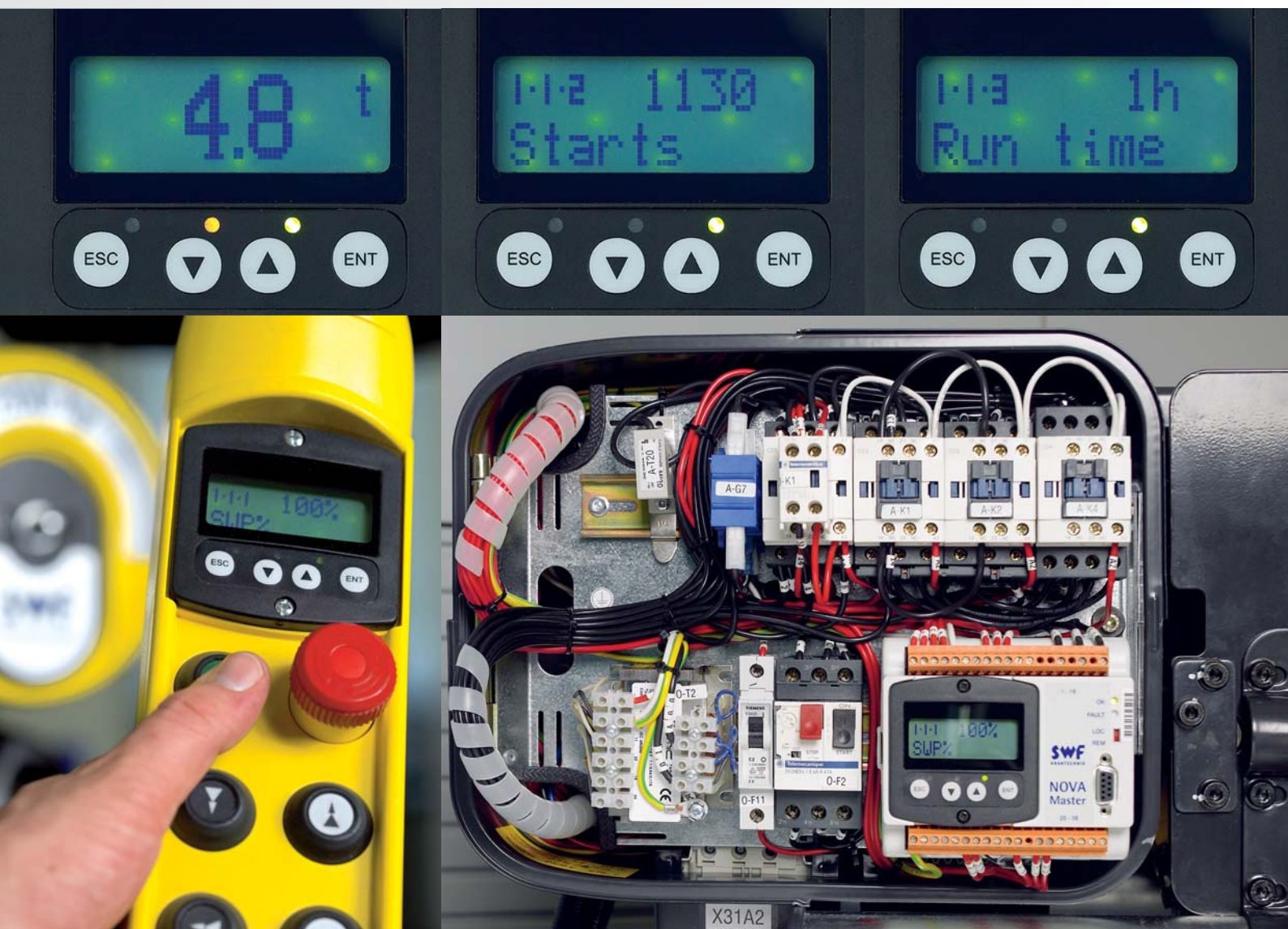
NovaMaster

As NovaMaster ensures smooth lifting and stopping manoeuvres, mechanical components and hoisting brakes are protected against excessive wear. During braking and acceleration, the system switches to the lowest lifting speed so that the brake is relieved. In addition, NovaMaster continuously monitors the safe working period (SWP).

NovaMaster measures and analyses all relevant crane data from which, for example, the current load on the hook can be accurately and reliably calculated. The system also monitors the lifting motor and protects it against overload.

All relevant lifting gear parameters such as SWP, total number of starts, total operating time, average calculated load, SWP of the lifting brake, etc. and error messages are shown on the display.

NovaMaster





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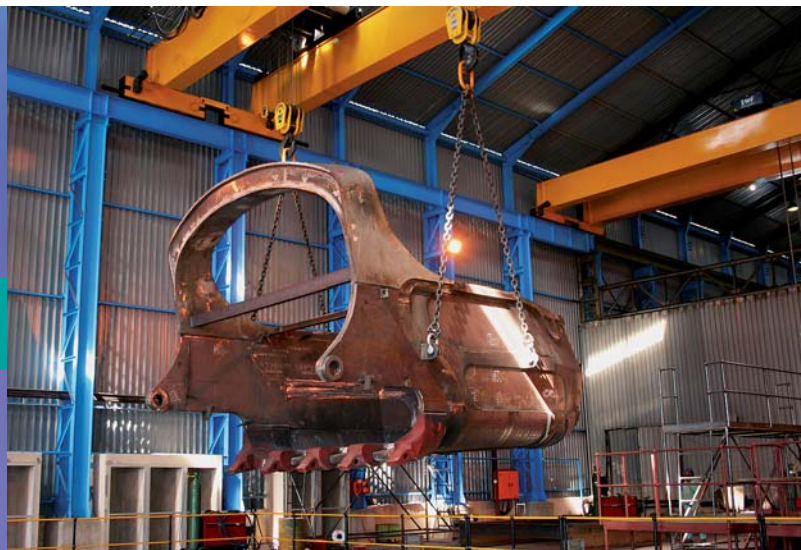
The optional display unit can be mounted on the control pendant and the load display (accuracy $\pm 5\%$) caters for an optional tare weight function. The programming of the crane as well as the reading of the actual operation values can all be done via the push button pendant. This enables the operator to quickly and easily check the crane's status.

- All the relevant data is displayed directly on the push button pendant
- Relay outputs for additional electrically controlled functions
- 3 different intermediate loads can be programmed
- Analogue output for connection e.g. to a larger load display (0-10V)
- Slack rope supervision function with bypass, to be used for example in conjunction with load carrying devices
- CANbus function for the cross-linking of up to 5 hoists
- Multi-function inputs, to be used for example for overload switching points, start counter or operating time meter
- Load measuring/load summation as an option via strain gauge sensor or motor current measurement

MicroMove TravelMaster



MicroMove / TravelMaster



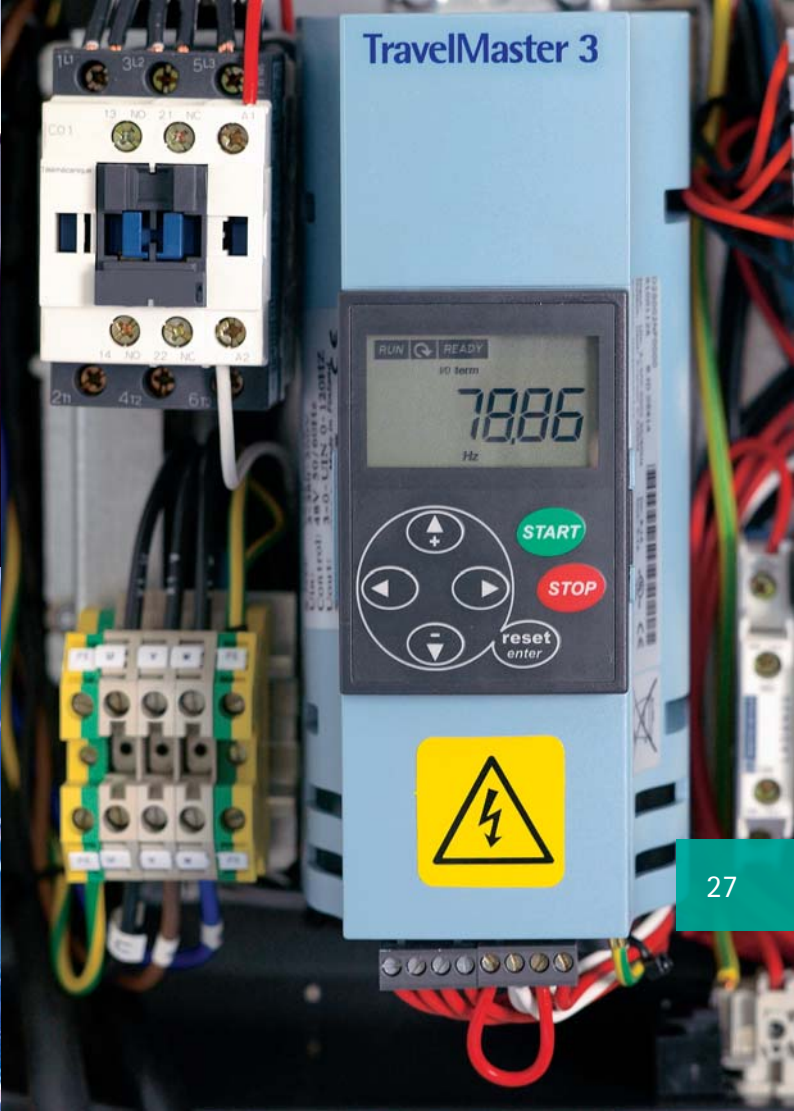
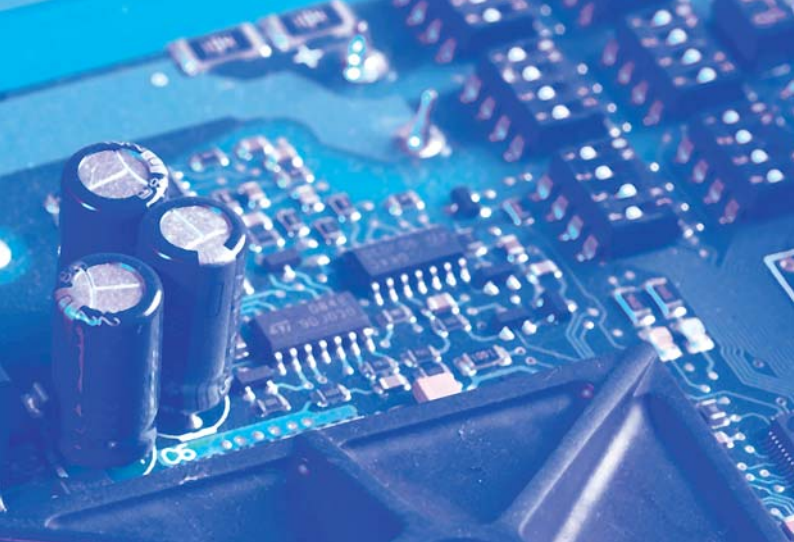
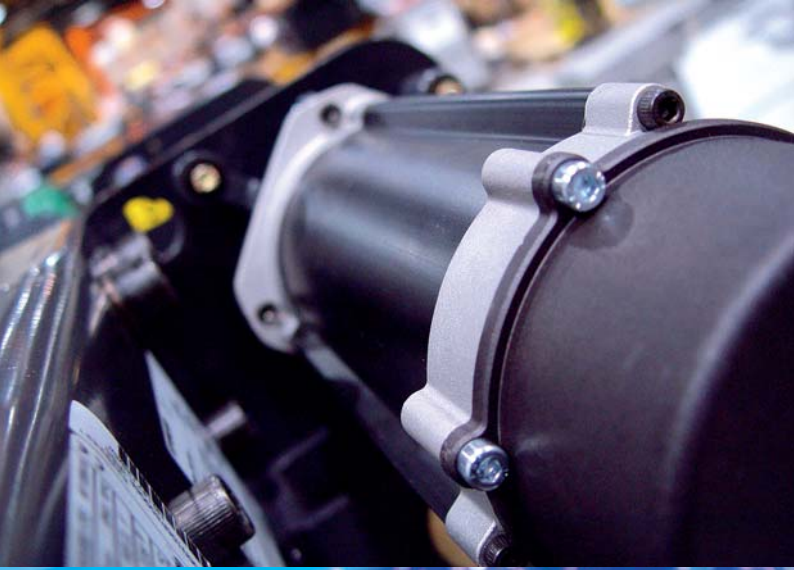
- MicroMove units can be easily programmed via dip switches.
- 16 alternative positions are available for the selection of the minimum or maximum travelling speed.
- MicroMove offers two possible control methods: variable (EP) and 2-speed (MS2).
- The inverters are easily assembled within the crane cubicle. The MicroMove inverter model 007 is simply connected via a single plug.
- It is not even necessary to remove the protective cover in order to program the MicroMove unit.
- The required power supply for the MicroMove inverter is 380–480 V at 50 or 60 Hz.
- Depending on the type, the modules have three or five digital inputs with a control voltage of 48 V, 115 V or 230 V by 50 or 60 Hz.
- MicroMove frequency inverters are designed for ambient working temperatures from $-10\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$

MicroMove frequency inverter control for trolley and crane travelling allow for sway free travelling of the load. The smooth, variable acceleration and braking process contributes considerably to reducing wear and tear of many of the components, for example the brake, the gearbox as well as the trolley wheels.

MicroMove is fitted as standard to:

- NOVA electric wire rope hoists
- Electric chain hoist trolleys
- Crane travelling drives up to a maximum of 2.2 kW

TravelMaster is the frequency inverter control for crane travelling machineries with a power output greater than 2.2 kW. TravelMaster of course also offers the same advantages as its "little brother" MicroMove and also offers an analogue control (0–10V), an autotuning function of the ratio motor/frequency inverter as well as a code-supported error memory.



MicroMove frequency inverter controls for trolley and crane travelling



Only in service
do we have



a screw loose.

**Service is a good business –
that's why we leave it alone.**

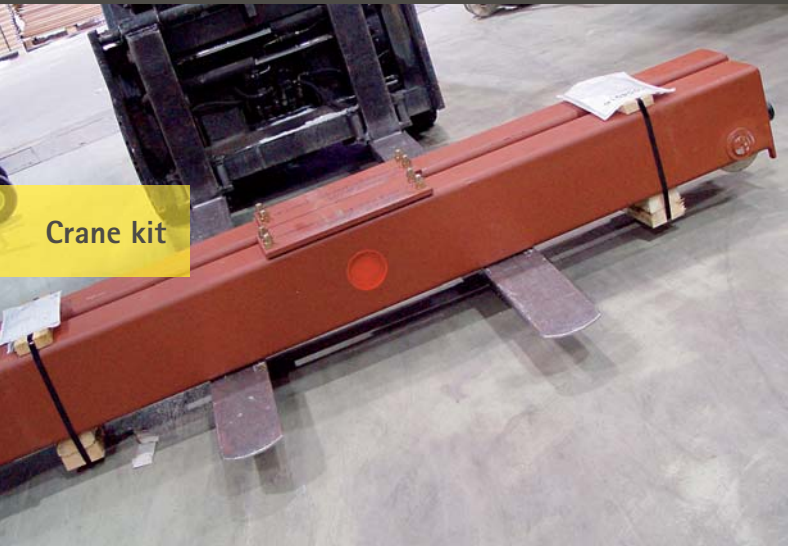
That may sound strange, but for us it really does not make any sense. A lot of money can be made with service. That probably does not come as a surprise, because after all the costs incurred through breakdowns are often much higher than those for preventive general servicing. If a factory has to stand still because of a breakdown, then the costs for the repair become irrelevant.

That's why we are convinced that only the partner you know and trust should take on the responsibility for your systems. Because only he knows what your needs and requirements are, what needs to be done and what does not. He can and should decide with you whether it makes sense to make a regular service plan or respond to incidents as they occur.

Ultimately we are only needed for the spare parts, but even these costs are often considerably lower than those of the competition. That's probably down to the fact that our systems have simply been designed to last a long, long time.



Crane kit



Crane kit

With SWF crane components, you can achieve what has previously been impossible:

- Minimum headroom
- Individual solutions based on standardised components
- Variable trolley and crane movement
- Minimum load sway
- Reduced maintenance and downtime
- State-of-the-art inverter technology as standard for trolleys and cranes, minimising wear on the drive units

Complete component kits for:

- Single-girder bridge cranes
- Double-girder bridge cranes
- Single-girder underslung cranes

- For wire rope or chain hoists
- Capacities up to 80 t

- **High efficiency**

One-Stop-Shopping principle: All components from one source

- **Shorter assembly times**

Pre-designed, pre-assembled and pre-wired components with screw and plug connection

- **Numerous different versions**

A well planned standard component basis, crane calculation support via CraneMaster software

- **Reliable quality**

High performance hoists, robust crane components

Advantage: A complete crane in an "All round-Carefree-Package", Power – out of the box

Crane



SWF
GRANTECH

Kit

Crane kit

Custom-made
component kits
for bridge cranes

Crane kit



State-of-the-art crane design.

All SWF components are manufactured according to the most stringent quality standards and thoroughly tested. No detail has slipped our attention and the components are preassembled. Installation is thus made easy and you can rest assured that everything works as it should.

SWF develops special components for cranes. IP55 protection and insulation class F are standard. Both the gear and motor design are based on what is technically possible today. By using SWF components, you achieve the best compatibility and quality.

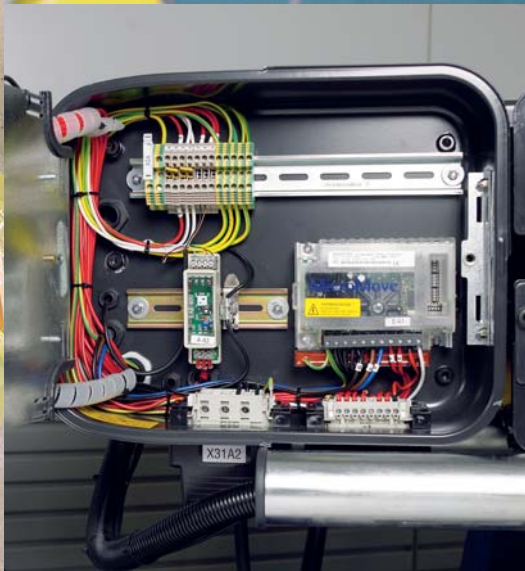
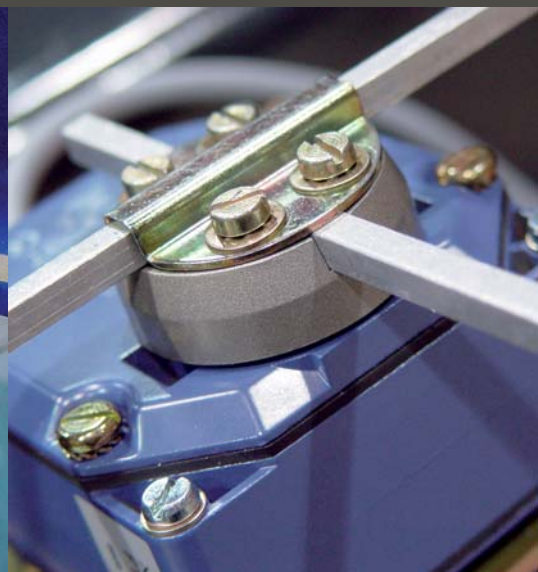
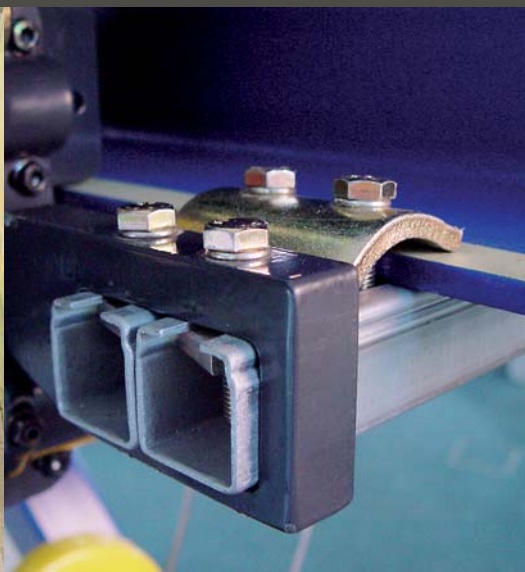
CraneMaster – Sophisticated crane configuration software.

CraneMaster will improve the competitiveness of your crane, monorail system and crane components at the projecting stage. Optimised processing and reliable information flow allows CraneMaster to produce exact Microsoft compatible technical solutions at the best possible price, whether it be an offer, order confirmation, technical data sheet or technical layout drawing, CraneMaster can provide this information within a matter of minutes. The vast, constantly updated component data bank, comprising of electric wire rope hoists, chain hoists, end carriages, travelling machineries, electric components, frequency inverters and radio control systems will always give the optimum solution.



Crane kits by SWF include:

- Plug-in adapters and couplings for all components
- Completely wired standard and custom made electrical components
- Modular crane kits assembled according to your specifications
- Continuous quality control from the first drawing to the final package
- Project support with CraneMaster



At a human level

34

*“Experience cannot be bought,
and passion is not written in the contract.”*

SWF is a company with technical direction, technical products and technical performance. Nevertheless people always stand at the forefront. On the one hand because only people are capable of developing this technology, and on the other hand because you need people to put these developments into practice – but above all, because we all try to do what we can to bring the people further, in order to make their days or perhaps even their lives easier. It is this philosophy which over the years has enabled the employees of SWF to work in a certain manner that can be explained neither by training nor by payment. At SWF you can feel the passion, which probably explains why the contact to our customers is more than just a normal business relationship – and one that lasts for many years.

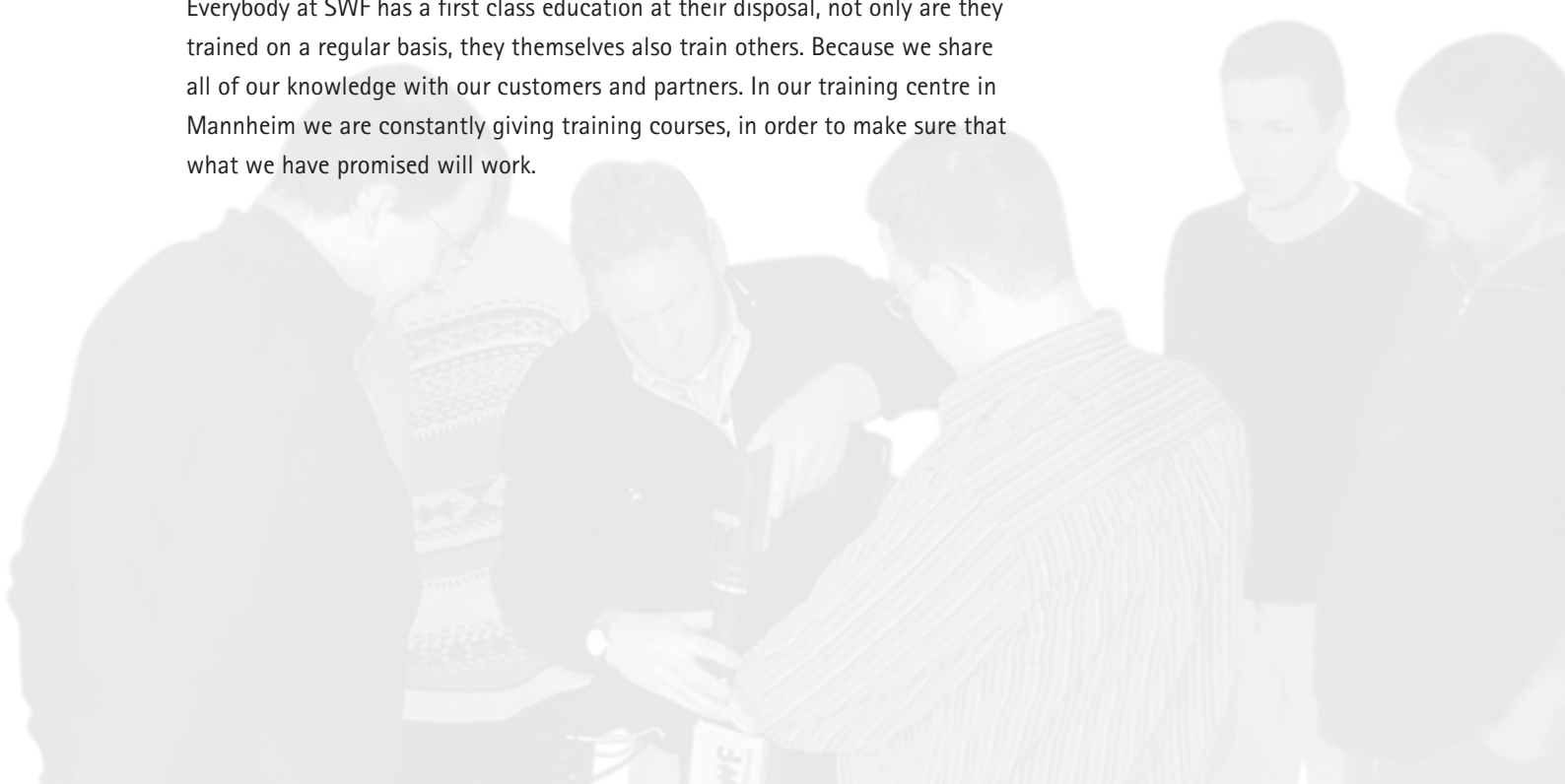


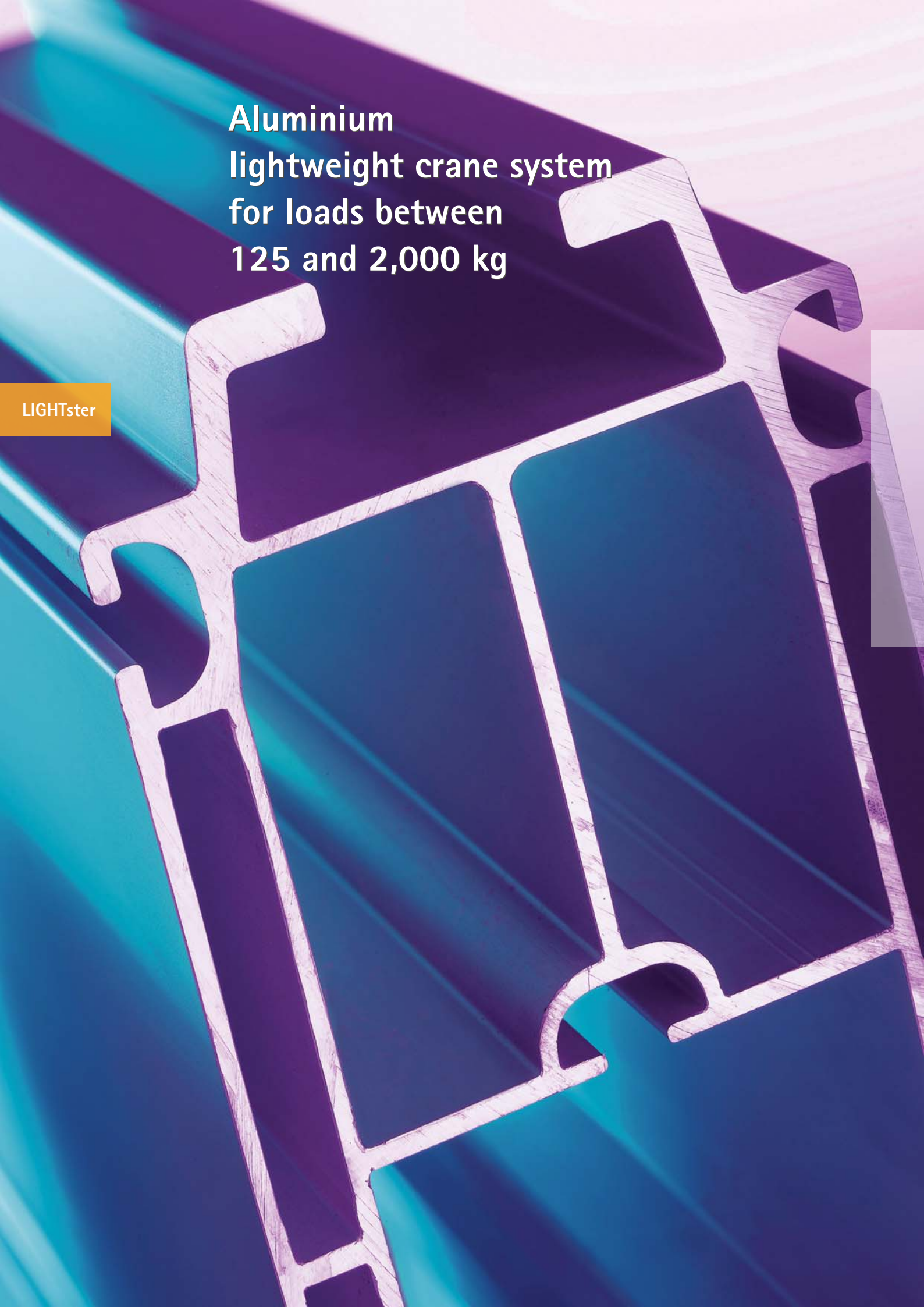


The employees of SWF come from all parts of the world and they work for people from all parts of the world. We communicate internationally and we think globally, but we never forget our roots. As an export nation, Germany certainly enjoys a lot of respect around the world.

That's probably because it is important for us to do a good job, as a customer you know you can rely on us, and because we know what we are talking about.

Everybody at SWF has a first class education at their disposal, not only are they trained on a regular basis, they themselves also train others. Because we share all of our knowledge with our customers and partners. In our training centre in Mannheim we are constantly giving training courses, in order to make sure that what we have promised will work.





**Aluminium
lightweight crane system
for loads between
125 and 2,000 kg**

LIGHTster

LIGHTster



- **Low own-weight**

Can also be used in application areas capable of bearing only low static loads; ergonomic, time-saving assembly; low number of freely positionable securing points

- **High quality**

Non-corrosive material, diminished operating noises thanks to state-of-the-art nylon wheels, prolonged service life with low maintenance costs

- **Precise application**

Low-vibration load movement; exact flow of materials; simple, ergonomic handling even without motorisation

Advantage: High-performance handling system with a high load-bearing capacity and low running costs

The simple solution for complex systems

With three different profiles, LIGHTster offers solutions for a variety of applications covering almost all requirements. LIGHTster enables the implementation of single-girder and double-girder solutions with both normal and with short headroom. The systems can be operated both manually or using electric drives. The narrow nylon wheels glide along the galvanised runner carriage easily and with minimum noise during operation.



LIGHTster

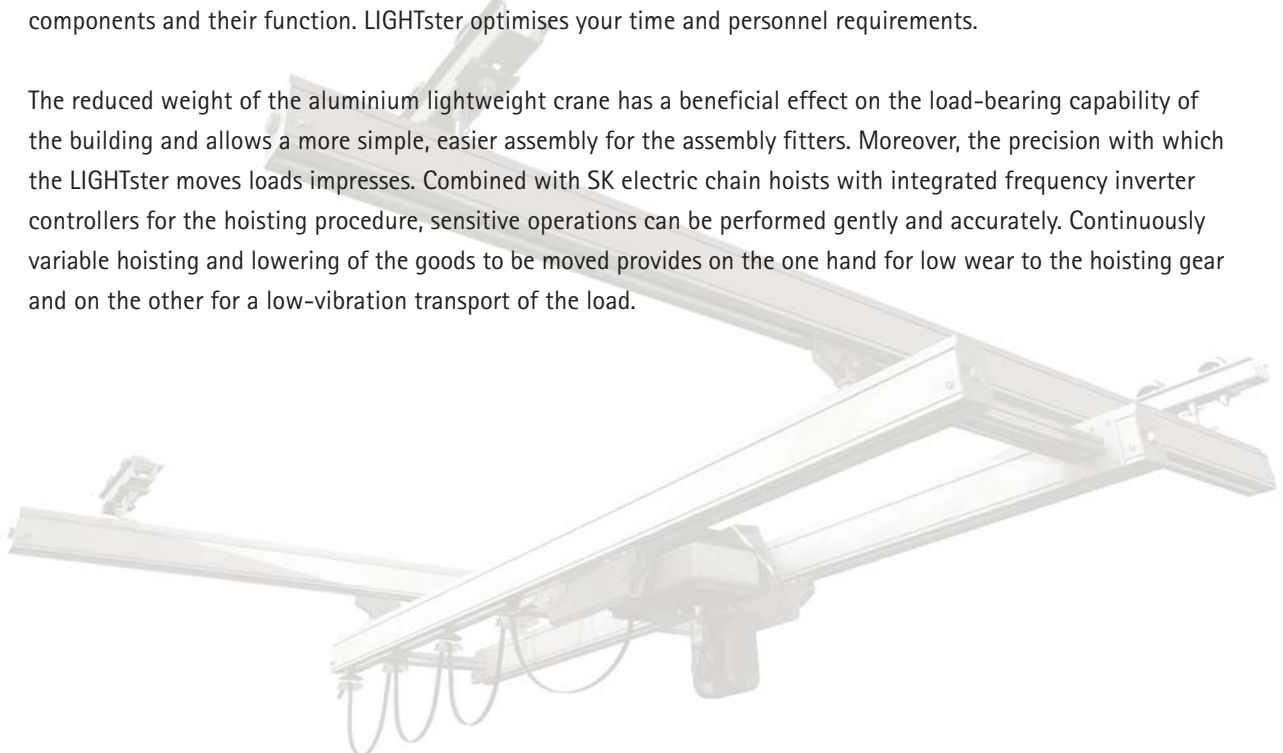


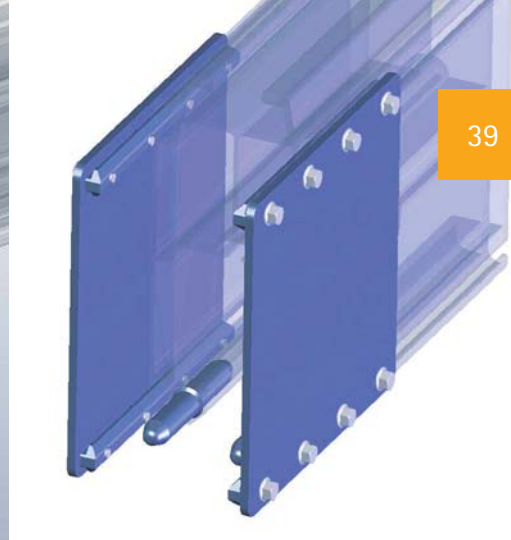
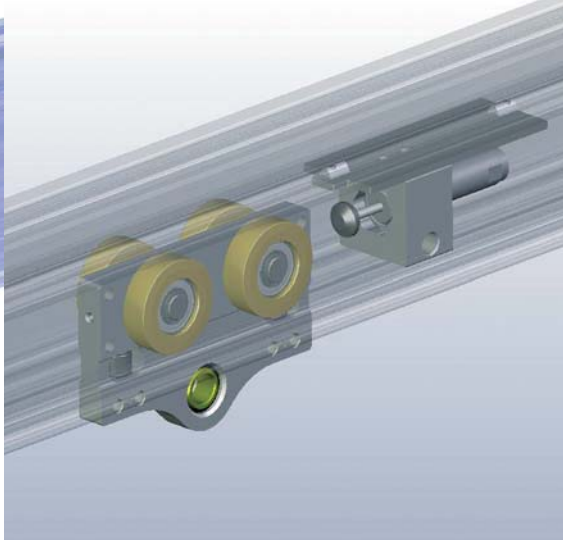
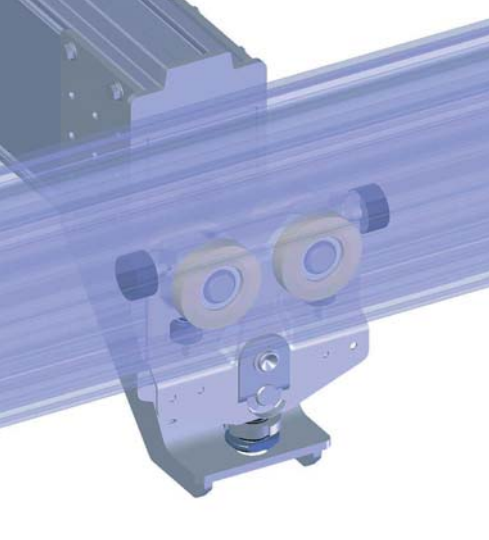
LIGHTster



Simple, high-load bearing profile connections and a low number of needed suspensions the crane to be assembled on-site economically and effectively. The pre-sorted parts supplied give you a quick overview of the individual components and their function. LIGHTster optimises your time and personnel requirements.

The reduced weight of the aluminium lightweight crane has a beneficial effect on the load-bearing capability of the building and allows a more simple, easier assembly for the assembly fitters. Moreover, the precision with which the LIGHTster moves loads impresses. Combined with SK electric chain hoists with integrated frequency inverter controllers for the hoisting procedure, sensitive operations can be performed gently and accurately. Continuously variable hoisting and lowering of the goods to be moved provides on the one hand for low wear to the hoisting gear and on the other for a low-vibration transport of the load.



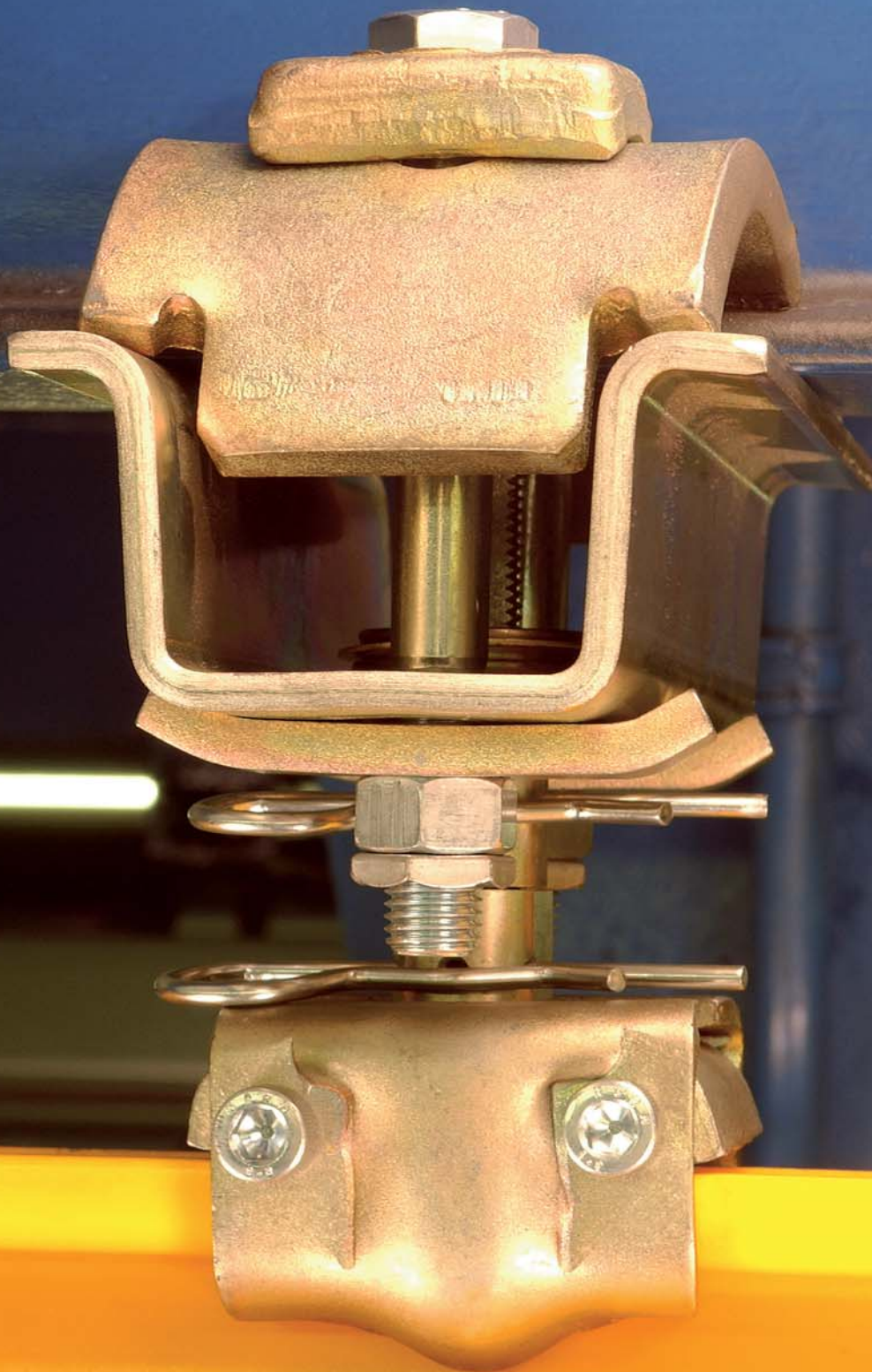


LIGHTster makes the solution simple:

- Easy installation thanks to a simple connection system with a low own-weight capable of bearing high loads
- Flexible and individually adjustable lightweight crane systems
- Gentle lifting and positioning of loads, manually or with variable electric speed control
- Wide range of profiles available for loads of up to 2,000 kg
- Wide range of power supply modes available
- A wide range of spans can be realized
- We provide monorail tracks with curves, switchpoints and turntables as well as single-girder and double-girder solutions
- Compact solutions available for various headrooms
- We also provide customized equipment to suit your individual needs
- Highest quality standard and minimum production tolerances
- Low noise level
- Various installation options with numerous suspension types
- Easy to modify and/or extend
- Prolonged service life combined with low maintenance costs
- Available at a competitive price topped with low running costs



ProfileMaster



**Modular lightweight crane system
for loads between 125 and 2,000 kg**

ProfileMaster



- **Flexible arrangement possibilities**

Wide range of profiles, switches, curves, turntables and much more, larger spans possible

- **Short assembly times**

Pre-designed, pre-assembled and pre-wired components, optimised suspension and connection

- **Low maintenance costs**

Minimum service required, longer lasting and robust hoists

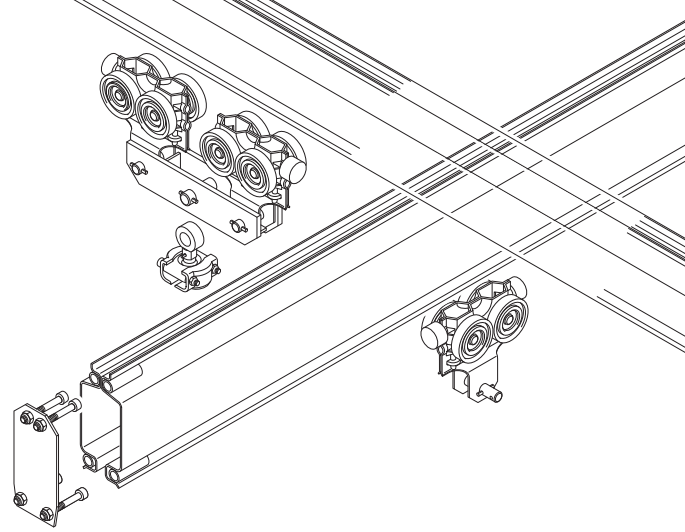
Advantage: Flexibility and optimised performance, through modular design

The simple solution to many complex problems.

Often, simple solutions are the most effective. ProfileMaster is a complete modular kit design to solve even the most intricate logistical task. The profile crane system has a proven track record with companies where the fast and coordinated transfer of materials is of the essence.

The system can thus be seen in many manufacturing and warehouse premises. With ProfileMaster, you have the option to design your own individual hoisting system by combining our high-quality pre-assembled components that provide solutions for all tasks. Our kits include turntables, swivelling and sliding switch points and a wide range of other components. ProfileMaster is available as a single-girder or double-girder system with manual or electric drive systems.

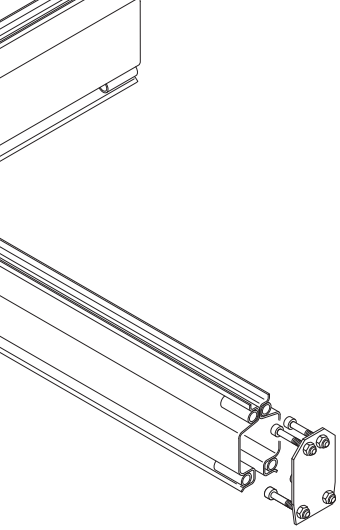
ProfileMaster



ProfileMaster



ProfileMaster is available in three different profile types, to cater for different load weights and suspension distances. The sections are cold-formed and are extremely rigid. The closed shape protects the inner runners against dirt and dust. Both the bridges and trolleys can be operated with minimum noise.



ProfileMaster always offers you the optimum solution:

- Flexible and individually adjustable lightweight crane systems
- Easy installation thanks to a simple connection system
- Smooth lifting and positioning of loads, be it manually or by variable electric speed control
- Wide range of profiles available
- Suitable for extremely large spans
- Available for various headrooms
- We provide monorail tracks with curves, switch points and turntables as well as single-girder and double-girder solutions
- We also provide customised equipment to suit your specific needs
- Highest quality standard and minimum production tolerances
- Low noise level
- Various installation options with numerous suspension types
- Easy to modify and/or extend
- Prolonged service life combined with low maintenance costs
- Available at a competitive price topped with low running costs



What on earth
are we thinking?

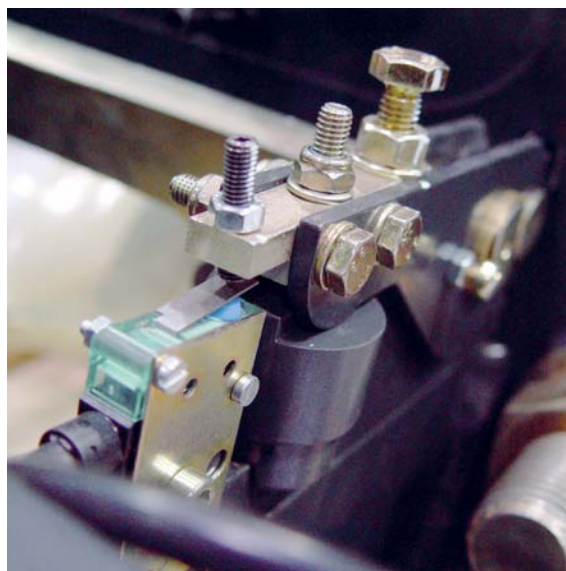




Lots of people have ideas, but not everybody does something with them.

When it comes down to it, really we are mechanical engineers. Decent, thorough, precise, punctual, reliable German engineers. People who like to make exact plans and preparations, in order to avoid any foreseeable obstacles. People where even spontaneity is well thought about beforehand.

That's probably true now and then, but we wouldn't be SWF if we were not always a little bit different as well. Anyway, we are actually tinkerers, who like to invent and brood over things, maybe talk nonsense and then reject everything – pose a few questions and then start again. But then again, sometimes everything stays as it was – especially if it was good to start with.



SWF was always good for a surprise, and always will be. SWF will never stand still and will never stop trying to improve. If you decide to use SWF, then you will make a decision for a lively partner who has lots of ideas and a creative mind, who has the fixed intention to make possible that which did not seem possible – to make simple that which did not seem simple.

EEx-Products

EEx-Products



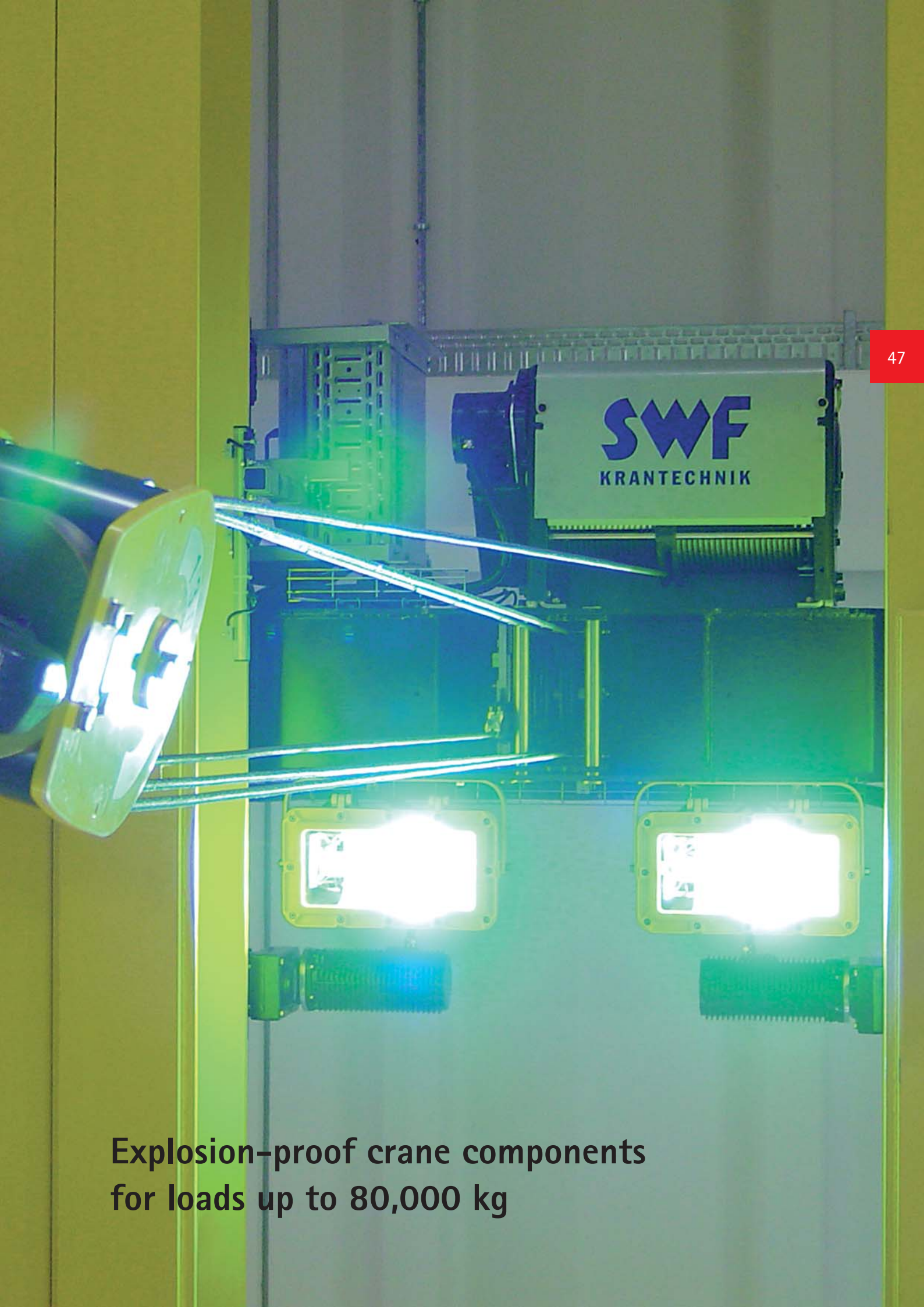
- **Maximum operational reliability**
Design approved components, motor protection IP66, electrical cubicle protection IP65 and as an option bronzed parts to give additional protection
- **Optimum use of space**
Compact design and optimum approach dimensions
- **Numerous usage possibilities**
Available as an electric chain hoist, electric wire rope hoist or crane component package

Advantage: Top performance with the greatest possible safety

Explosion proof crane components from SWF deliver the goods.

Our complete quality assurance programme together with our strict production controls, guarantee the highest possible standard of safety for all of our components.

Explosion proof crane components from SWF distinguish themselves – just like the basic NOVA models – because of their high performance motors, compact design and approach dimensions as well as their tremendous longevity.

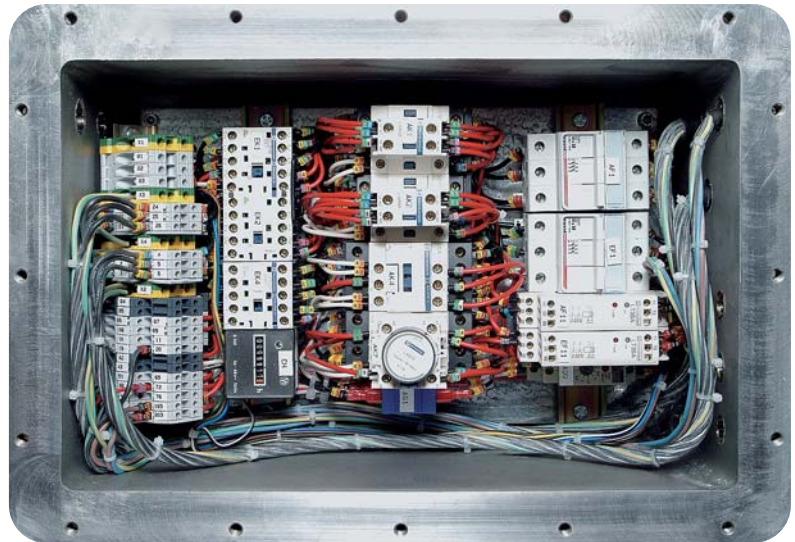


**Explosion-proof crane components
for loads up to 80,000 kg**



The special components offered by SWF for use in explosion proof atmospheres fulfil the highest of safety standards. The products range from a simple electric chain hoist to a complete electrical crane kit.

EEx-Products



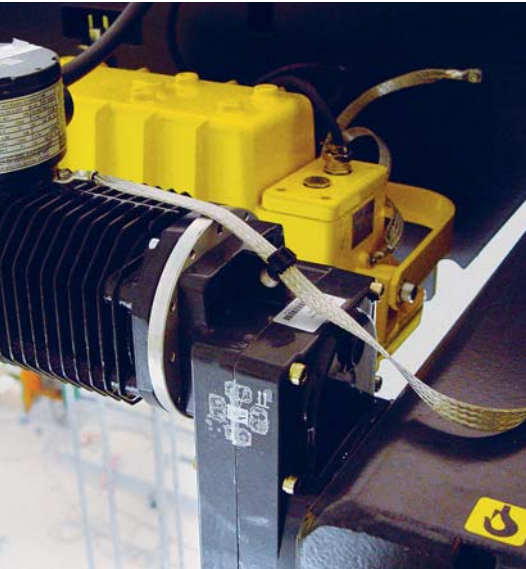
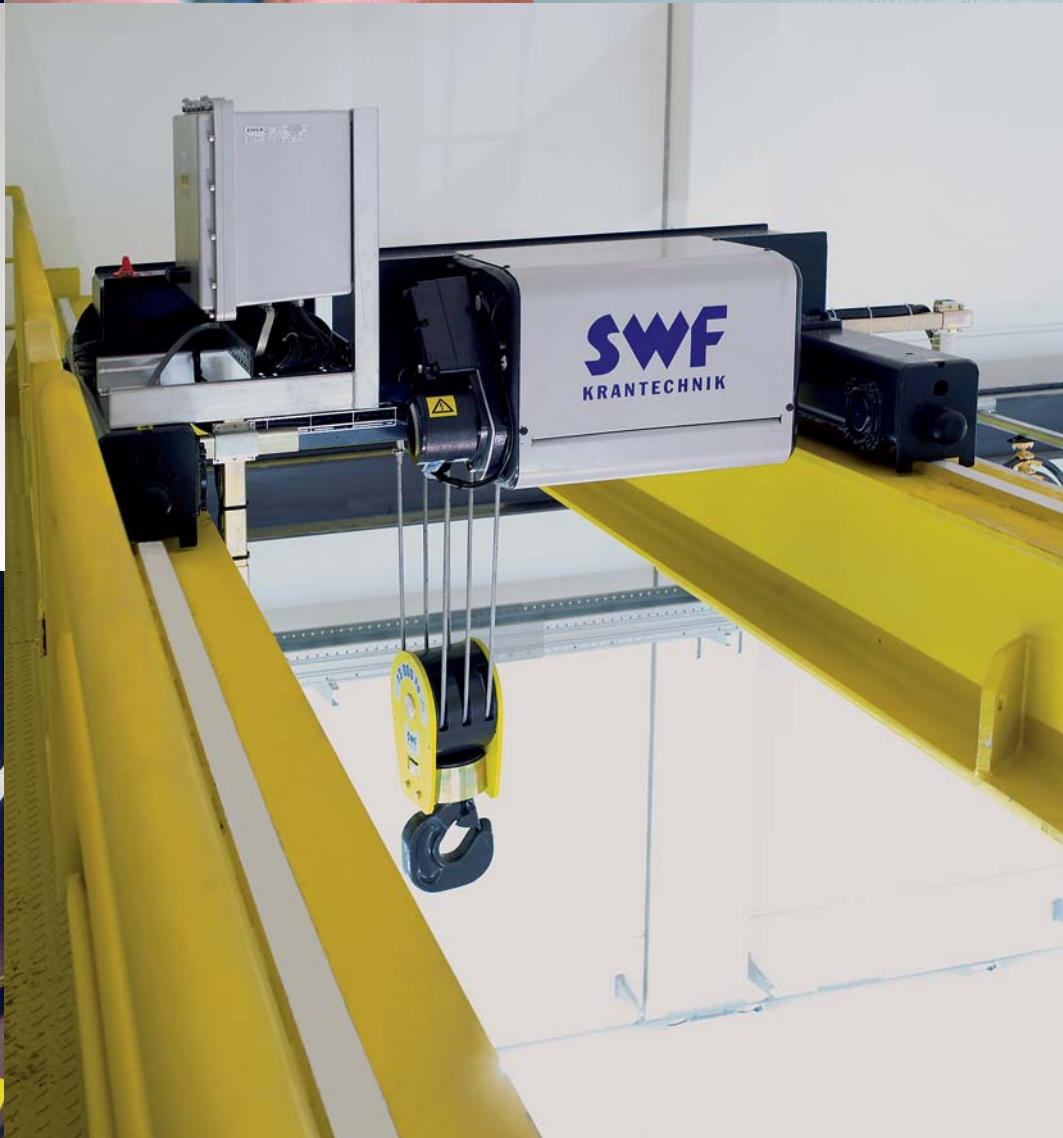
The use of modern frequency inverter technology for crane and trolley travelling with explosion-protected component packages ensures gentle transporting of loads and low-wear operation of the crane.

At SWF you can get explosion proof components, suitable for the following groups:

- ATEX II2G EEx cde IIB T4, Zone 1
- ATEX II2G EEx cde IIC T4, Zone 1
- ATEX II3G EEx nA II T3, Zone 2
- ATEX II2D EEx cde IIB T4 IP65, Zone 21
- ATEX II3D IP55 135 °C, Zone 22

Explosion proof crane components from SWF correspond to the guidelines according to ATEX 94/09/EG, the regulations of FEM and the European safety standards (EN). SWF EEx-Products are certified within the bounds of design approval (INERIS 03 ATEX 3015 X).

EEx-Products



Wherever you are – we are there for you.

50



And always close at hand.

SWF products are renowned around the globe for their excellent quality. We have therefore established a network of SWF partners that spans all the continents. These partners give you expert advice and provide support for your equipment. Your local partner has of course all the necessary information regarding new and innovative products available from SWF.

SWF Krantechnik works worldwide with partners in:

- Africa
- Asia
- Australia
- Europe
- Middle East

The lifting equipment specialists will provide you with all the necessary information about SWF products, we on the other hand would be pleased to inform you about where to find the nearest expert.

For further information please visit our website at www.swfkrantechnik.com



Fax Inquiry +49(0)621.78990-120

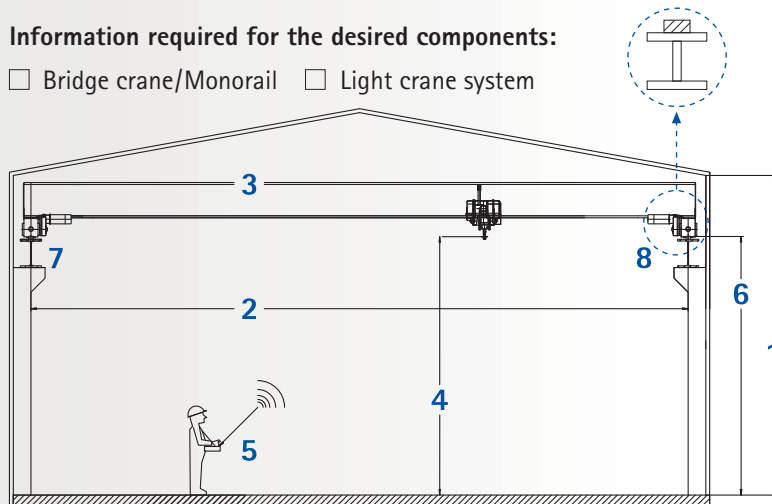
Company: _____ Date: _____

Contact Person: _____ Phone: _____

eMail: _____ Fax: _____

Information required for the desired components:

Bridge crane/Monorail Light crane system



Building dimensions:

1 Building height: _____ mm

2 Crane span/Monorail length: _____ mm

3 Beam width: _____ mm

4 Lifting height: _____ mm

5 Remote control: Yes No

6 Top edge height of crane rail: _____ mm

7 Runway rail length: _____ mm

8 Runway rail: _____ x _____ mm

Crane type

Safe working load

Single girder crane: _____ kg

Double girder crane: _____ kg

Underslung crane: _____ kg

Monorail: _____ kg

Hoist: Chain hoist Wire rope hoist

Power supply:

400 V/50 Hz _____ V / _____ HZ

Control voltage:

48 V 115 V 230 V

Duty group:

Fem 1Bm (M3) 1Am (M4) 2m (M5) 3m (M6)

Hoist power feeding line:

Flat cable Energy chain (Remote Control needed)

Ambient conditions:

Utilisation

indoors outdoors under roof outdoors

Ambient temperature

+5°C up to +40°C

From: -20°C -10°C 0°C up to: +40°C +55°C

High humidity \geq 90% Dusty (non explosive)

Explosion proofed



Gas Zone 1 IIB T4 Zone 1 IIC T4 Zone 2 IIB T3 Zone 2 IIC T3

Dust Zone 21 IP65 T+135°C Zone 22 IP55 T+155°C

Additions for

ProfileMaster

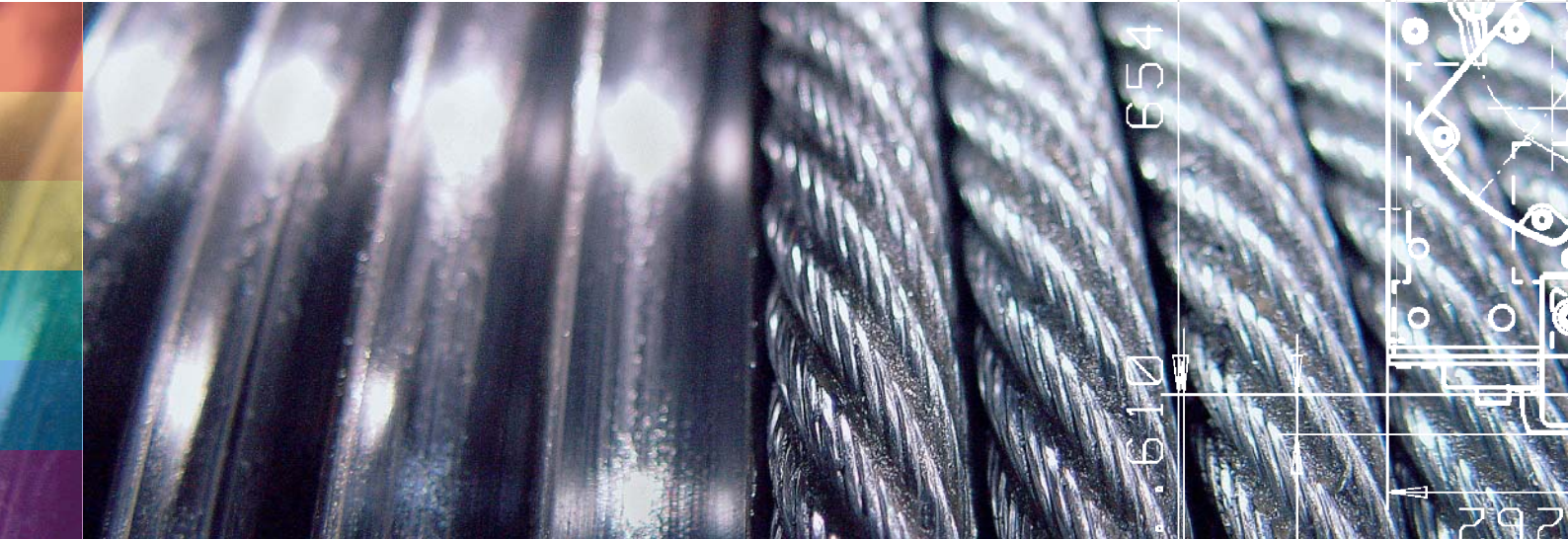
LIGHTster

Light Crane System

Suspension distance _____ mm

Suspension type _____

Look ahead!



654

610

B=1000

620

40

3

WWW.RALF-GROSSE-SCHLUE.DE

ENGLISH

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